SOLID EDGE
VELOCITY SERIES

Tutorial: ***Steam pipe***

Project: ***Roadroller (Draft)***

cad / cam / pdm / cae | CAAP®

Solution Partner PLM | SIEMENS

DETAIL B
10:1

SECTION A-A

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	DIMENSION UNITS : MM	CLASS (DEPARTMENT) : -	
	DATE : 22-8-2011	CHECKED BY : -	

MATERIAL : Steel	TITEL :	NUMBER :	REV:	SIZE:
PROJECT: Roadroller	Steampipe	1004	A	A4

1	1. Start **Solid Edge.** 2. Click on **ISO Draft.** 	
2	The template as shown is the Template from CAAP. You can download the Templates at the website of CAAP. The previous tutorial explains how to set the Templates&Reports.	
3	1. Click with de RMB at **Sheet 1**. 2. Click on **Sheet Setup...**	

4	3. Select the Background sheet: **A4-Blad**. 4. Click the **OK** button.	
5	1. Click the **View Wizard** button.	
6	1. Browse to the folder *Roadroller*. 2. Open the document **Roadroller-1004-Steam pipe-A**. 3. Click the **Open** button. ***Hint***: *Make sure Part Document (*.par) is selected at Files.*	

7	4. Make sure the options are set as shown and click on **Next**.	
8	1. Click the **Custom** button.	
9	2. Click the **Custom View** button. 3. Make sure the front view is set. Point at the green dots in the Common Views and click to change the views. 4. Close the **Common Views**. 5. Click the **Close** button.	

10	1. Select the other view, as shown. 2. Click the **Finish** button. 	
11	3. Point the red area, as shown and click to place the views.	
12	1. Click the **Select** button. 2. Select the view. 3. Click the RMB and click on **Properties**.	

13 	4. Click the **Display** tab. 5. Deselect the Hidden edge style.	
14 	6. Click the **OK** button.	
15 	7. Click the **Apply** button. 8. Click the **OK** button.	

16 + 	If the **Select** is still active. 1. Select and drag the views, as shown. Make sure more views can be placed. 2. Click the **View Wizard** button.	
17 	3. Click the **OK** button.	
18 	4. Make sure the options are set as shown and click on **Next**. 	

19	1. Click the **Custom** button.	
20	2. Click the **Custom View** button. 3. Make sure the isometric view is set. Point at the green dots in the Common Views and click to change the views. 4. Close the **Common Views**. 5. Click the **Close** button.	
21	1. Point the red area, as shown and click to place the view.	

22	1. Click the **Zoom Area** button.	
23	2. Select the area, as shown.	
24	1. Click the **Cutting Plane** button. 2. Click on the view, as shown.	

25 +	1. Point at the left point and wait until the icon appears before clicking. 2. Point at the right point and wait until the icon appears before clicking. 3. Click the **Close Cutting Plane** button.	
26	1. Make sure the arrows are up and click.	
27	1. Click the **Fit** button.	

28	1. Click the **Section** button. 2. Point at the arrows of the **Cutting Plane** and click. 3. Click to place the **Section**.	
29 +	1. Click the **Select** button. 2. Click with the RMB on the view. 3. Click on **Add Break Lines**.	
30	1. Click the **Break Lines Type** button. 2. Click on **Cylindrical Break**.	

31	3. Point on the view, as shown and click to place the first break line. 4. Point on the view, as shown and click to place the second break line.	
32	5. Click the **Finish** button.	
33	1. Click the **Zoom Area** button.	

34 	2. Select the area, as shown.	
35 	1. Click the **Detail** button. 2. Point at the middle point of the vertical line, as shown and wait until the icon appears before clicking. 3. Click to place the **Detail**, as shown.	
36 	1. Click the **Fit** button.	

37	2. Select **5:1** as scale. 3. Click to place the **Detail**, as shown.	
38	1. Click on the text at the **Detail**. 2. Select **Show View Scale**.	
39	All views are placed in the **drawing**. Now the dimension can be placed. This will be explained at the next steps.	

40	1. Click the **Zoom Area** button.	
41	2. Select the area, as shown.	
42	1. Click the **Center Mark** button. 2. Click on **Projection Lines**. 3. Click on **Properties**. 4. Select the green color. 5. Click the **OK** button.	

43	6. Point at the middle point of the circle and wait will the icon appears.	
44	1. Click the **Fit** button.	
45	1. Click the **Zoom Area** button.	

46

2. Select the area, as shown.

47

1. Click the **Select** button.
2. Click with the RMB on de section.
3. Click on **Properties**.

48

4. Make sure the Hidden edge style is selected.
5. Select the type **Hidden**.
6. Click the **Apply** button.
7. Click the **OK** button.

49 +	1. Click the **Smart Dimension** button. 2. Click the horizontal line. 3. Click to place the dimension. 4. Click the **Select** button. 5. Select the dimension. 6. Click on **Prefix**.	
50	1. Select on **Prefix** field. 2. Click on the diameter icon. 3. Click the **Apply** button. 4. Click the **OK** button.	
51	1. Click the **Chamfer Dimension** button. 2. Click the horizontal line. 3. Click the **Chamfer** line. 4. Click to place the dimension.	
52	1. Click the **Select** button. 2. Click on B. 3. Drag B to the position, as shown.	

53

1. Click the **Fit** button.

54

1. Click the **Select** button.
2. Click with the RMB on Detail.
3. Click on **Properties**.

55

1. Click the **General** tab.
2. Deselect Show drawing view.
3. Click the **Apply** button.
4. Click the **OK** button.

56	1. Click the **Smart Dimension** button. 2. Click on the vertical line. 3. Click to place the dimension. 4. Click on the horizontal line. 5. Click to place the dimension.	
57	1. Repeat step 45 & 46 to Zoom.	
58	1. Click the **Center Line** button. 2. Click on the **Properties**. 3. Select the color green. 4. Click the **OK** button.	

59	1. Point at the middle of the left verticale line and wait until the icon appears before clicking. 2. Point at the middle of the right verticale line and wait until the icon appears before clicking.	
60	1. Click the **Smart Dimension** button. 2. Click the right vertical line. 3. Click on the other vertical line. 4. Click to place the dimension.	
61	If the **Smart Dimension** is still active. 5. Click on the horizontal line. 6. Click to place the dimension.	

62	7. Repeat step 60 to place the other two dimensions.	
63	1. Click the **Distance Between** button. 2. Click on the slanted line. 3. Click on the horizontal line. 4. Click to place the dimension.	
64 +	1. Click the **Smart Dimension** button. 2. Click on the horitzonal line. 3. Click on the horizontal line below. 4. Click to place the dimension. 5. Click the **Select** button. 6. Click on the dimension. 7. Click on **Prefix**.	
65	1. Click on the **Prefix** field. 2. Click on the diameter icon. 3. Click the **Apply** button. 4. Click the **OK** button.	

66 +	1. Click the **Smart Dimension** button. 2. Click on the horizontal line. 3. Click on the horizontal line below. 4. Click to place the dimension. 5. Click the **Select** button. 6. Click on the dimension. 7. Click on **Prefix**.	
67	1. Click on the **Subfix** field. 2. Click on the Thread Size icon. 3. Select **Center**. 4. Click the **Apply** button. 5. Click the **OK** button.	
68	1. Click on **Edit Definition – Dimension Type** at Tolerence. 2. Click on **Blank**.	
69	1. Click on the **Fit** button.	

70	All **drawings** are ready. Now the file can be saved.	
71	Now we set the File properties. 1. Click the **Application Button**. 2. Click on **Properties**. 3. Click the **File Properties**.	
72	1. Click the **Summary** tab. 2. Fill in *Steam pipe* at Title. 3. Go to the **Project** tab and fill in the following properties: Document Number*: 1004*. Revision Number*: A*. Project Name: *Roadroller*. 4. Click **OK** to close the screen.	

73	The File has to be saved in the folder: *Roadroller*. 1. Click on the floppy icon. 2. Browse to the folder Roadroller. 3. Save the document by name *Roadroller-1004-Steam pipe-A.dft*. 4. Close the file. ***Hint:*** *Save all files of one project in the same folder.*	